Review of: "Statistical Overview of Prevalence of Anaemia with Associated Socioeconomic and Demographic Factors in Nigeria"

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Potential competing interests: No potential competing interests to declare.

The manuscript provides a comprehensive introduction to the topic of Prevalence of Anaemia with Associated Socioeconomic and Demographic Factors in Nigeria. It effectively highlights the significance of Socioeconomic and Demographic Factors on Prevalence of Anaemi

Anaemia. However, there are a few areas that could benefit from further clarification or elaboration, and the manuscript can enhance its clarity, depth of analysis, and overall contribution to the field of anaemia research among under-five children in Nigeria: The introduction contains repetitive information regarding the definition and impacts of anaemia. It would be beneficial to streamline the content

and avoid redundancy to maintain reader engagement and clarity. While the results highlight significant associations between various socio-economic and demographic factors with anaemia prevalence in under-five children, the interpretation of these findings could be more nuanced. It would be beneficial to delve deeper into the implications of these associations and discuss the potential mechanisms underlyi

underlying the observed relationships.The text could benefit from improvements in language and style to enhance clarity and precision. Proofreading for grammatical errors, sentence structure, and academic writing conventions is recommended. The manuscript mentions the use of chi-square tests and binary logistic regression to analyze the data, but there is limited discussion on the assumptions

made, model specifications, and potential limitations of these statistical methods. Providing more details on the statistical analysis approach would enhance the transparency and rigor of the study.The results section provides a detailed description of the data analysis, including descriptive statistics, chi-square analysis, and binary logistic regression. However, the presentation of the results could be

be further improved by organizing the information in a more structured and coherent manner to enhance readability and understanding. The manuscript mentions that the use of mosquito nets was not statistically significant in relation to anaemia prevalence. It is important to address and discuss any unexpected or contradictory findings in the context of existing literature to provide a comprehensive

analysis of the results. While the manuscript briefly touches upon intervention efforts targeting rural areas and mothers with lower education levels and wealth to reduce anaemia incidence, a more detailed discussion on the policy implications of the findings would strengthen the practical relevance of the study.The conclusion summarizes the key findings of the study effectively. However, it would

be beneficial to provide a more concise and impactful conclusion that restates the main results, implications, and potential future research directions in a clear and concise manner.

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